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Attorney Docket No.: 21402-224AB (Cura-524AB)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS : Li, et al.
SERIAL NUMBER : 10/025,806
FILING DATE : December 19, 2001
FOR : Novel Proteins and Nucleic Acids Encoding Same
EXAMINER : Not Yet Assigned
ART UNIT : 1642

BOX IDS

Commissioner for Patents
Washington, D.C. 20231



30623

PATENT TRADEMARK OFFICE

TRANSMITTAL LETTER

Transmitted herewith for filing in the present application are the following documents:

1. Information Disclosure Statement (1 page), in duplicate;
2. Modified Form 1449/PTO (2 pages), in duplicate;
3. Copies of cited references C1-C21; and
4. Return Postcard.

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If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 542-6000, Boston, Massachusetts.

The Commissioner is authorized to charge any fees that may be due, or to credit any overpayment, to the undersigned's account, Deposit Account No. 50-0311 Ref. No. 21402-224AB (Cura-524AB). A duplicate copy of this transmittal letter is enclosed herewith.

Respectfully submitted,

Ivor R. Elrifi
Ivor R. Elrifi, Reg. No. 39,529

Attorney for Applicants
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Dated: April 24, 2002

TRA 1658209v1

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INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action based on the merits in the above-identified case. Accordingly, no fee or certification is believed required.

It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed Form PTO-1449 to evidence that the cited information has been fully considered by the PATENT AND TRADEMARK OFFICE during the examination of this application.

Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 21402-224AB).

Respectfully submitted,

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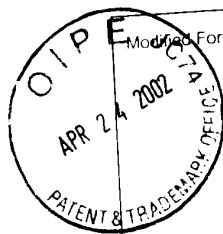
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Modified Form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

| | |
|------------------------|------------------|
| Application Number | 10/025,806 |
| Filing Date | 12/19/01 |
| First Named Inventor | Li |
| Group Art Unit | 1642 |
| Examiner Name | Not Yet Assigned |
| Attorney Docket Number | 21402-224AB |

U.S. PATENT DOCUMENTS

| Exam Initials | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date If Appropriate |
|---------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|----------------------------|
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FOREIGN PATENT DOCUMENTS

| Exam Initials | Cite No. | Foreign Patent Document Office Number | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation Yes No |
|---------------|----------|---------------------------------------|-------------------------------------|---------------------|--------------------|
| | | | | | |

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

| Exam Initials | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc. |
|---------------|----------|--|
| | C1 | Alderborn, et al. (2000). "Determination of single-nucleotide polymorphisms by real-time pyrophosphate DNA sequencing." <i>Genome Res</i> 10(8): 1249-58. |
| | C2 | Asai, et al. (1996). "Genomic structure and transcription of a murine odorant receptor gene: differential initiation of transcription in the olfactory and testicular cells." <i>Biochem Biophys Res Commun</i> 221(2): 240-7. |
| | C3 | Ben-Arie, et al. (1994). "Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire." <i>Hum Mol Genet</i> 3(2): 229-35. |
| | C4 | Blier (2001). "Pharmacology of rapid-onset antidepressant treatment strategies." <i>J Clin Psychiatry</i> 62(Suppl 15): 12-7. |
| | C5 | Buck and Axel (1991). "A novel multigene family may encode odorant receptors: a molecular basis for odor recognition." <i>Cell</i> 65(1): 175-87. |
| | C6 | El Yacoubi, et al. (2001). "Adenosine A2A receptor antagonists are potential antidepressants: evidence based on pharmacology and A2A receptor knockout mice." <i>Br J Pharmacol</i> 134(1): 68-77. |
| | C7 | Heinemann, et al. (2000). "Basophil responses to chemokines are regulated by both sequential and cooperative receptor signaling." <i>J Immunol</i> 165(12): 7224-33. |
| | C8 | Issel-Tarver and Rine (1996). "Organization and expression of canine olfactory receptor genes." <i>Proc Natl Acad Sci U S A</i> 93(20): 10897-902. |
| | C9 | Krautwurst, et al. (1998). "Identification of ligands for olfactory receptors by functional expression of a receptor library." <i>Cell</i> 95(7): 917-26. |
| | C10 | Malnic, et al. (1999). "Combinatorial receptor codes for odors." <i>Cell</i> 96(5): 713-23. |
| | C11 | Mark, et al. (2000). "G protein modulation of recombinant P/Q-type calcium channels by regulators of G protein signalling proteins." <i>J Physiol</i> 528 Pt 1: 65-77. |
| | C12 | Monopoli, et al. (1998). "Blockade of adenosine A2A receptors by SCH 58261 results in neuroprotective effects in cerebral ischaemia in rats." <i>Neuroreport</i> 9(17): 3955-9. |
| | C13 | Online Mendelian Inheritance in Man (OMIM): 164342 (07/06/93) |

U.S.S.N.: 10/025,806
Applicants: Li, et al.

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| Exam Initials | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc. |
|------------------|-------------|--|
| | C14 | Parmentier, et al. (1992). "Expression of members of the putative olfactory receptor gene family in mammalian germ cells." <i>Nature</i> 355(6359): 453-5. |
| | C15 | Rouquier, et al. (1998). "A gene recently inactivated in human defines a new olfactory receptor family in mammals." <i>Hum Mol Genet</i> 7(9): 1337-45. |
| | C16 | Thomas, et al. (1996). "Chemoreceptors expressed in taste, olfactory and male reproductive tissues." <i>Gene</i> 178(1-2): 1-5. |
| | C17 | Tranquillini and Reggiani (1999). "Glycine-site antagonists and stroke." <i>Expert Opin Investig Drugs</i> 8(11): 1837-1848. ABSTRACT ONLY |
| | C18 | Vanderhaeghen, et al. (1997). "Specific repertoire of olfactory receptor genes in the male germ cells of several mammalian species." <i>Genomics</i> 39(3): 239-46. |
| | C19 | Walensky, et al. (1998). "Two novel odorant receptor families expressed in spermatids undergo 5'-splicing." <i>J Biol Chem</i> 273(16): 9378-87. |
| | C20 | Xiberas, et al. (2001). "In vivo extrastriatal and striatal D2 dopamine receptor blockade by amisulpride in schizophrenia." <i>J Clin Psychopharmacol</i> 21(2): 207-14. |
| | C21 | Xie, et al. (2000). "Characterization of a cluster comprising approximately 100 odorant receptor genes in mouse." <i>Mamm Genome</i> 11(12): 1070-8. |

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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